

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

CLIMBING ROSE PLANT NAMED

'POULyc004'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

Rosa hybrida

VARIETY DENOMINATION

5

'POULyc004'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between an unnamed female parent plant 10 and an unnamed male parent plant. The two parents were crossed during the summer of 1991, and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is named 'POULyc004'.

The new variety may be distinguished from its pollen 15 parent, by the following combination of characteristics:

1. While the pollen parent has a free branching, low growing growth habit, 'POULyc004' has a climbing growth habit.
2. While the pollen parent has very double flowers, 'POULyc004' has flowers characterized 20 as double.

The new variety may be distinguished from its unnamed seed parent, by the following combination of characteristics:

1. The seed parent is multiflorus with up to 25 approximately 20 flowers per stem.

'POULyc004' has up to 5 flowers per stem.

2. While the seed parent has no fragrance,

'POULyc004' has a light floral scent.

The objective of the hybridization of this rose

5 variety was to create a new and distinct variety for
garden use with unique qualities, such as:

1. Uniform and abundant yellow flowers;

2. Vigorous, but compact growth when
propagated both as a budded rose and on
10 its own roots;

3. Disease resistance.

4. Improved flowering habit. Since the
variety is less apically dominant, flowers
are produced from lower branches to the
15 top.

This combination of qualities is not present in
previously available commercial cultivars of this type,
known to the inventor, and distinguish 'POULyc004' from
all other varieties of which we are aware.

20 As part of their rose development program, L.

Pernille Olesen and Mogens N. Olesen germinated the seeds
from the aforementioned hybridization during winter 1991
and conducted evaluations on the resulting seedlings in a
controlled environment in Fredensborg, Denmark.

25 'POULyc004' was selected in the spring 1992 by the

inventors as a single plant from the progeny of the aforementioned hybridization.

Asexual reproduction of 'POULyc004' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in June, 1992. This initial and other subsequent asexual propagations conducted in controlled environments have demonstrated that the characteristics of 'POULyc004' are true to type and are transmitted from one generation
10 to the next.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration shows as true as
15 is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, and stems, of 'POULyc004'. Specifically illustrated in FIGURE 1:

Fig 1.1; Open flower, stem showing open
20 flower, the attachment of buds, and peduncles;

Fig 1.2; Flower bud closed, partially open bloom and open flower.

Fig 1.3; Flower petals, detached;

25 Fig 1.4; Sepals, receptacle, and pedicel;

Fig 1.5; Mature leaves;

Fig 1.6; Bare stems.

5

DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'POULyc004', as observed in its growth in a field nursery in Jackson County, Oregon. Observed plants are 3 years of age.

10 Color references are made using the Royal Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used.

15 For a comparison, several physical characteristics of the rose variety 'POULhult', a rose variety from the same inventors described and illustrated in U.S. Plant Patent Application No. 10/267,547 and dated 8 October 2002, are compared to 'POULyc004' in Chart 1.

CHART 1

	'POULyc004'	'POULhult'
20	Flower Diameter 30-35 mm.	55 to 60 mm.
25	Color of outermost petals after opening inner side.	Yellow Group 13A. Yellow Group 11D.
	Petal Size 16 mm (l) x 10 mm (w).	27 mm (l) x 28 mm (w).

Parents:

Seed Parent: unnamed plant.

Pollen Parent: unnamed plant.

5

FLOWER AND FLOWER BUD

Blooming habit: Continuous.

Flower bud:

Size: Upon opening, 11 mm in length
from base of receptacle to end
of bud.

10

Bud form: Pointed ovoid.

Bud color: As sepals unfold, petals are
Yellow-Orange Group 15B to 15C.
Yellow-Orange Group 15B to 15C.
at $\frac{1}{4}$ opening.

15

Sepals:

Upper Surface:

Color: Yellow-Green Group 146C
with intonations of
Greyed-Purple Group 183A.

20

Lower Surface:

Color: Yellow-Green Group 144A
with intonations of
Greyed-Purple Group 183A.

25

Shape:

5

Margins have weak foliaceous appendages on three of the five sepals. Surfaces of sepals moderately pubescent. Stipitate glands are sparse.

Anthocyanin: Weak. Greyed-Purple Group

183A.

Size: 20 mm long by 4 mm wide.

Receptacle:

10

Surface Texture: Smooth and glaucous.

Shape: Urn-shaped.

Size: 50 mm (h) x 5 mm (w).

Color: Yellow-Green Group 144A.

Peduncle:

15

Surface: Smooth and glabrous.

Length: 23 to 25 mm average length.

Borne: Multiples of 5 buds per flowering stem. Occasionally single.

20

Anthocyanin:

Color: Greyed-Red Group 183A.

Flower bloom:

Fragrance: Light floral.

25

Duration: The blooms have a duration on

the plant of approximately 7 to
10 days.

Size: Average flower diameter is 30-
35 mm when open.

5 Form: Rosette with outermost petals
 slightly overlapping.

Shape of flower when viewed from the side:

Upon opening, upper part: Flattened
convex.

10 Upon opening, lower part: Flat.

Open flower, upper part: Flattened
convex.

Open flower, lower part: Flat.

Petalage: Semi-double. Average range: 25-30
15 petals under normal conditions with 3
 petaloids.

Color:

Upon opening, petals:

Outermost petals:

20 Outer side: Yellow Group 13B.
 Inner Side: Yellow Group 13A.

Innermost petals:

Outer side: Yellow Group 13B.
Inner Side: Yellow Group 13A.

25 Upon opening, basal petal spots: No distinctive

coloration at
petal base
observed.

After opening, petals:

5 Outermost petals:

Outer side: Yellow Group 13B.

Inner Side: Yellow Group 13A.

Innermost petals:

Outer side: Yellow Group 13B.

Inner Side: Yellow Group 13A.

After opening, basal petal spots: No distinctive coloration at petal base observed.

Petals:

Petal Reflex: Petals reflexed slightly.

Margin: Entire width point in center of margin.

25 Shape: Apex: Pointed.

Base: Acute.

Size: 16 mm (l) x 10-15 mm (w).

Texture: Smooth.

Thickness: Thin.

5 Arrangement: Not Formal.

Petaloids:

Quantity: 3-5.

Size: 12 mm (l) x 7 mm (w).

Color:

10 Upper Surface:

Yellow Group 13A.

Lower surface:

Yellow Group 13A.

Reproductive Organs:

15 Pistils:

Length: 5-6 mm long.

Quantity: 35 (actual count).

Pollen: None observed.

Anthers:

20 Size: 1.5 mm long.

Color: Yellow-Orange Group 18A.

Quantity: 48 (actual count).

Filaments:

Color: Orange Group 17B.

25 Length: 5-6 mm.

Stigmas: Level in location to anthers.

Color: Yellow-Green Group 145D.

Styles:

Color: Yellow-Green Group 145D.

5

Other intonations: None.

Hips: None Observed in the field nursery in Jackson County Oregon.

PLANT

10 Plant growth: Vigorous climbing habit with weak apical dominance in flowering characteristics.

Stems:

Color:

15 Young wood: Yellow-Green Group 144A to 144B.

Older wood: Yellow-Green Group 144A to 144B.

Surface Texture:

20 Young wood: Smooth.

Older wood: Rough.

Thorns:

Incidence: 4 thorns per 10 cm of stem.

25 Size: Average length: 4 mm.

Color: Greyed-Purple Group 183A

to 183B..

Shape: Linear to concave.

Anthocyanin:

5 None observed.

Plant foliage: Normal number of leaflets on
normal leaves in middle of the
stem: 5 leaflets.

Compound Leaf size: 12-30 mm (l) x 7-20 mm
10 (w).

Color:

Mature Foliage:

Upper Leaf Surface: Yellow-Green
Group 147A.

15 Lower Leaf Surface: Yellow-Green
Group 146A to
146B.

Juvenile foliage:

Upper Leaf Surface: Yellow-Green

20 Group 147A.

Lower Leaf Surface: Yellow-Green
Group 146A to
146B.

Anthocyanin: None observed.

25

Plant leaves and leaflets

Stipules:

Upper Surface: Pubescent.

Size: 18 mm.

5 Color: Yellow-Green Group 146A.

Shape: Linear with outward
extending apecies.

Margins: Finely serrated with
stipitate glands.

10 **Petiole:**

Length: 28 to 30mm.

Color: Yellow-Green Group 146C.

Rachis:

Color: Yellow-Green Group 146C.

15 Size: 40 mm.

Leaflet:

Edge: Finely serrated.

Shape: Generally ovate to rounded
with cuspidate apex and
rounded base.

20 Texture: Smooth.

Arrangement: Odd pinnate.

Venation: Reticulate.

Glossiness: Moderate.

25 Size: 37 (l) x 22 (w).

Disease resistance:

Above average resistance to mildew, rust, black spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

5

Cold Hardiness:

The variety 'POULyc004' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.